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(54) Title: CATALYST AND ITS USE IN THE SYNTHESIS OF HYDROGEN PEROXIDE

(57) Abstract: The present invention relates to a catalyst consisting of: (a) one or more metals of the platinum group as active components; (b) one or more polyolefins; and (c) a carrier. The invention also relates to a process for the synthesis of hydrogen peroxide (H₂O₂) from hydrogen and oxygen which uses said catalyst and the use of the hydrogen peroxide solution in oxidation processes catalyzed by titanium silicalite. The process operates under high safety conditions with a high productivity and molar selectivity towards the formation of H₂O₂.



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